

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1	△	Updated Material	22/NOV/23	MATT	LEO

SPECIFICATIONS

Electrical

Current Rating: 1.5A AC(rms)/DC
Voltage Rating: 125V AC(rms)/DC
Contact Resistance: 30 mΩ Max
Insulation Resistance: 500 MΩ Min / DC 500V
Withstanding Voltage: 500V AC r.m.s
Operating Temperature: -40°C~+85°C

Mechanical

Durability: 750 cycles Min.
Mating force: 30N Max.



△ Material and plating

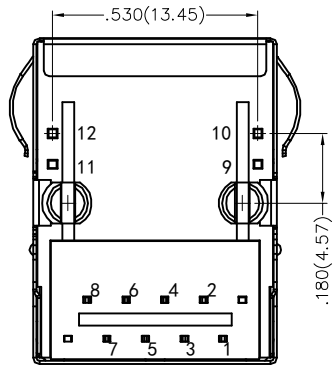
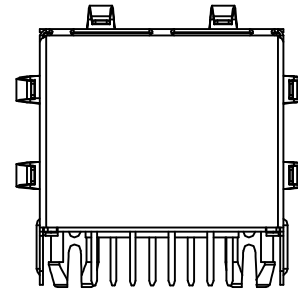
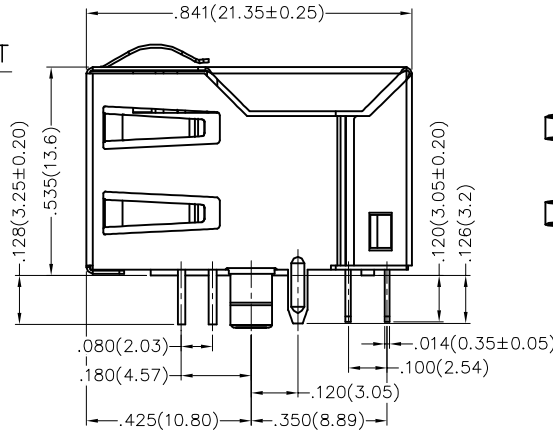
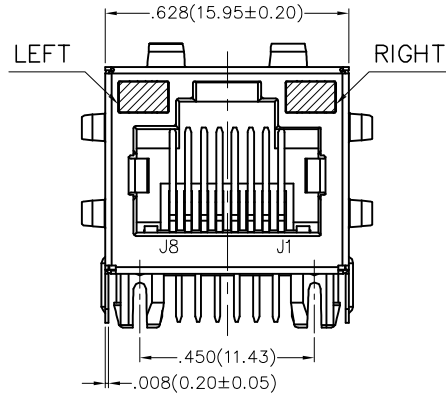
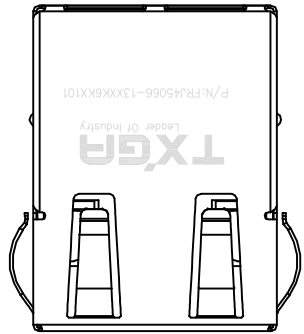
Housing: PBT (UL 94V-0), Black
Terminals Bracket: PA66 (UL 94V-0), Black
Contact: Phosphor Bronze/ Selective gold in contact area, tin on tail
Shell: Brass/ Nickel plated

Ordering Information

FRJ45 066 - 1 3 XX K6 K X 1 0 1
1 2 3 4 5 6 7 8 9 10

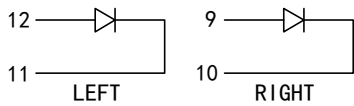
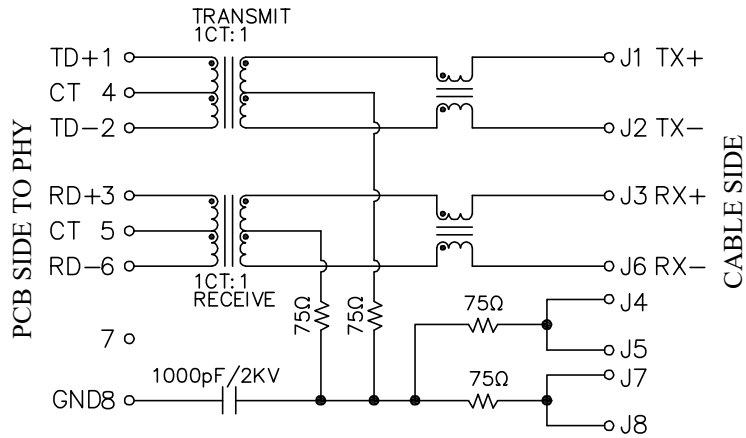
1	Category FRJ45-RJ45 Connector	2	Distinction No. 066	3	Ports options 1-1 Port	4	Plating 3-Selective gold in contact area, tin on tail	5	Thickness of plating 00-Gold flash 06-6μ" Custom plate available
6	Color-Resin K6-Black	7	Packaging K-Tray	8	LED style 1-L: Yellow R: Green 2-L: Green R: Yellow	9	Contact type 1-Square pin	10	Pin circuits 1-100Base-T

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 16/OCT/17	PART NO. FRJ45066-13XXK6KX101	ITEM NO. FRJ45066	 Building Technology Cornerstone
	X.±.012(0.30)	X.±5'	CHECKED BY CHERRY	DATE 16/OCT/17	TITLE RJ45 Connector 8P8C 90° Angle (100Base-T)		
DESIGN UNITS Inch (metric)	X.X±.008(0.20)	.X'±2"	DRAWN BY KATE	DATE 16/OCT/17	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
SCALE 5:1	SIZE A4	X.XX±.006(0.15)					
		X.XXX±.004(0.10)					



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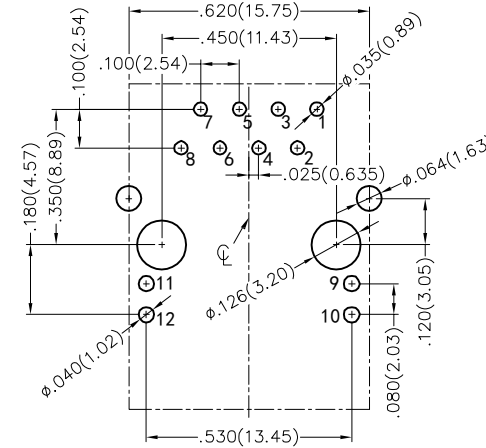
SCHEMATIC



LED Specification

Standard LED Color	LED Wavelength	Foward(A)	Foward(V)
Green	568nm	20mA	1.8-2.8V
Yellow	585nm	20mA	1.8-2.8V

Electrical Specifications@25°C±5°C							
Turns Ratio(±2%)		OCL(uH Min) @100KHz/0.1V		Insertion Loss (dB Max)		HI-Pot (Vrms)	
TX	RX	With 8mA DC Bias		1-100MHz		1500	
1CT:1CT	1CT:1CT	350		-1.0		1500	
Retrun Loss (dB Min)				Cross talk (dB Min)			CMR (dB Min)
1-10MHz	10-30MHz	30-60MHz	60-80MHz	1-30MHz	30-60MHz	60-100MHz	1-100MHz
-20	-16	-12	-10	-40	-35	-30	-35



Recommended P.C.Board Layout

Tolerances: ±.002(0.05)

<p>THIRD ANGLE PROJECTION</p>	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	<p>Building Technology Cornerstone</p>	
	X.±.012(0.30)	X.±5'	FRANK	16/OCT/17	FRJ45066-13XXK6KX101	FRJ45066		
	X.X±.008(0.20)	.X'±2"	CHECKED BY	DATE	TITLE			
DESIGN UNITS Inch (metric)	X.XX±.006(0.15)	.XX'±1"	CHERRY	16/OCT/17	RJ45 Connector 8P8C 90° Angle (100Base-T)		REV 1	SHEET NO. 2/2
SCALE 5:1	X.XXX±.004(0.10)	.XXX'±0.5'	DRAWN BY	DATE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
SIZE A4	KATE	16/OCT/17						

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SPECIFICATIONS

Electrical

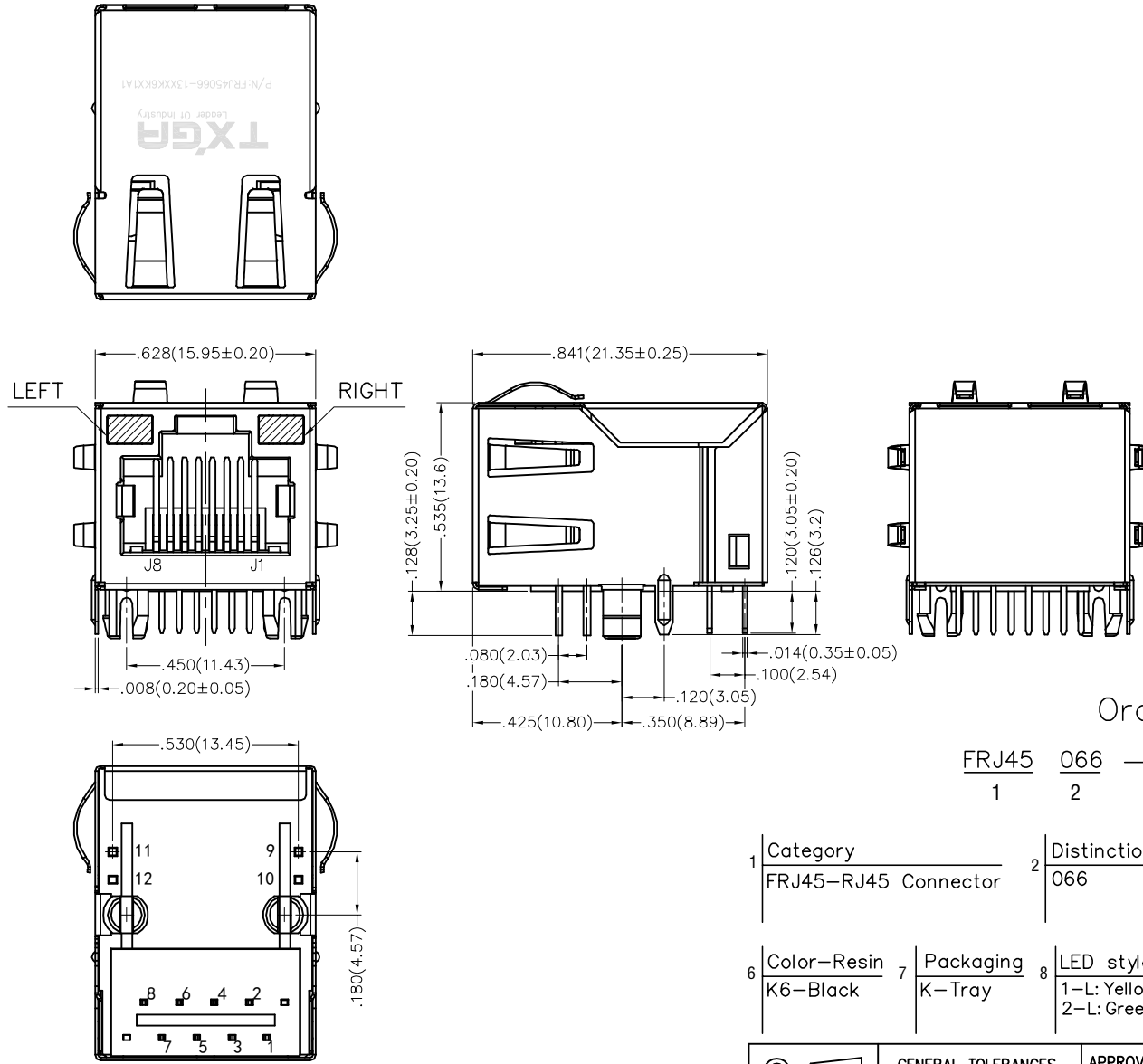
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Ordering Information

FRJ45 066 — 1 3 XX K6 K X 1 A 1
1 2 3 4 5 6 7 8 9 10 11

1 Category FRJ45-RJ45 Connector	2 Distinction No. 066	3 Ports options 1-1 Port	4 Plating 3-Selective gold in contact area, tin on tail	5 Thickness of plating 00-Gold flash 06-6μ" Custom plate available
6 Color-Resin K6-Black	7 Packaging K-Tray	8 LED style 1-L: Yellow R: Green 2-L: Green R: Yellow	9 Contact type 1-Square pin	10 Distinction type A-A type
11 Pin circuits 1-100Base-T				

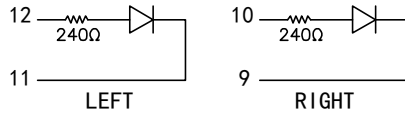
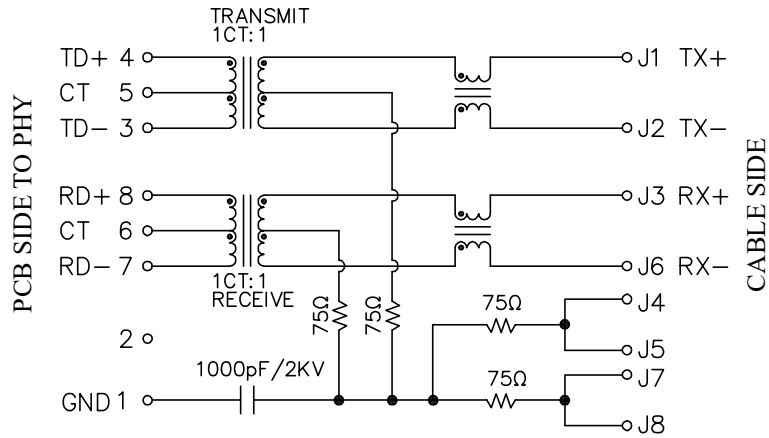
THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 16/OCT/17	PART NO. FRJ45066-13XXK6KX1A1	ITEM NO. FRJ45066	 Building Technology Cornerstone
	DESIGN UNITS Inch (metric)	X.±.012(0.30) X.X±.008(0.20) X.XX±.006(0.15) X.XXX±.004(0.10)	X'.±5' .X'±2' .XX'±1' .XXX'±0.5'	CHECKED BY CHERRY	DATE 16/OCT/17	TITLE RJ45 Connector 8P8C 90° Angle (100Base-T)	
SCALE 5:1	SIZE A4	DRAWN BY KATE		DATE 16/OCT/17	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		



REV 1 SHEET NO. 1/2

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

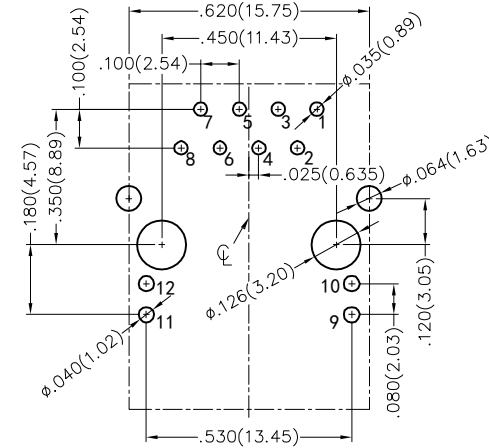
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	X.X±.008(0.20)	.X'±2"	CHECKED BY	DATE	TITLE			
DESIGN UNITS Inch (metric)	X.XX±.006(0.15)	.XX'±1"	CHERRY	16/OCT/17	RJ45 Connector 8P8C 90° Angle (100Base-T)		REV 1	SHEET NO. 2/2
SCALE 5:1	X.XXX±.004(0.10)	.XXX'±0.5'	DRAWN BY	DATE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
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